

Comparisons of Job Characteristics

Focus Occupation: [Mine Cutting and Channeling Machine Operators \(47-5042\)](#)

Associated Occupation: [Helpers--Extraction Workers \(47-5081\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042)

Associated Occupation: Helpers--Extraction Workers (47-5081)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	9.9	12.2	> Current knowledge level is likely sufficient
Public Safety and Security	6.9	8.8	6.2	<< Extensive education and/or training may be required
Law and Government	5.9	8.5	6.1	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042)

Associated Occupation: Helpers--Extraction Workers (47-5081)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	11.0	11.5	0 Current skill level may be sufficient
Equipment Maintenance	3.5	10.0	7.7	< A higher skill level may be required
Repairing	3.4	10.0	7.7	< A higher skill level may be required
Operation and Control	5.4	9.5	10.0	0 Current skill level may be sufficient
Troubleshooting	4.5	9.2	7.5	< A higher skill level may be required
Quality Control Analysis	5.9	8.9	8.2	0 Current skill level may be sufficient
Equipment Selection	3.3	7.7	7.2	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042)

Associated Occupation: Helpers--Extraction Workers (47-5081)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Multilimb Coordination	6.0	11.9	12.2	0	Current ability level may be sufficient
Reaction Time	4.8	11.8	12.1	0	Current ability level may be sufficient
Static Strength	5.0	11.4	9.6	<	Some improvement in abilities may be required
Trunk Strength	5.7	11.2	9.0	<	Some improvement in abilities may be required
Far Vision	7.8	11.1	9.1	<	Some improvement in abilities may be required
Depth Perception	5.3	10.6	11.4	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	10.0	10.3	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	8.2	5.2	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	7.7	5.8	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	6.8	6.9	0	Current ability level may be sufficient
Peripheral Vision	2.2	5.6	4.9	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042)

Associated Occupation: Helpers--Extraction Workers (47-5081)

Work Activities	Exclusivity of Activity
Charge blasting holes with explosives	82
Detonate blasting charges for construction or extraction work	89
Drill blasting holes	89
Move or fit heavy objects	8
Operate material moving, loading, or unloading equipment	75
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042) Associated Occupation: Helpers--Extraction Workers (47-5081)

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.